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1 [CHAOSarc: kernel support for multiweight objects, invocations, and atomicity in real-time multiprocessor applications](#)

Ahmed Gheith, Karsten Schwan

February 1993 **ACM Transactions on Computer Systems (TOCS)**, Volume 11 Issue 1Full text available: [pdf\(2.81 MB\)](#)
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CHAOSarc is an object-based multiprocessor operating system kernel that provides primitives with which programmers may easily construct objects of differing types and object invocations of differing semantics, targeting multiprocessor systems, and real-time applications. The CHAOSarc can guarantee desired performance and functionality levels of selected computations in real-time applications. Such guarantees can be made despite poss ...

2 [Object orientation in multidatabase systems](#)

Evaggelia Pitoura, Omran Bukhres, Ahmed Elmagarmid

June 1995 **ACM Computing Surveys (CSUR)**, Volume 27 Issue 2Full text available: [pdf\(4.85 MB\)](#)
 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

A multidatabase system (MDBS) is a confederation of preexisting distributed, heterogeneous, and autonomous database systems. There has been a recent proliferation of research suggesting the application of object-oriented techniques to facilitate the complex task of designing and implementing MDBSs. Although this approach seems promising, the lack of a general framework impedes any further development. The goal of this paper is to provide a concrete analysis and categorization of the various ...

Keywords: distributed objects, federated databases, integration, multidatabases, views

3 [Location-aware mobile applications based on directory services](#)

Henning Maass

August 1998 **Mobile Networks and Applications**, Volume 3 Issue 2Full text available: [pdf\(421.47 KB\)](#)
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Location-aware applications are becoming increasingly attractive due to the widespread

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